

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 14, 2018

Mr. Joseph P. Kwan, Corporate Director, Environmental Remediation
Northrop Grumman Corporation
2980 Fairview Park Drive
Falls Church, Virginia 22042

Re: Municipal Setting Designation (MSD) Certificate for the Former TRW-Reda Pump Facility,
Marshall, Harrison County, Texas; Solid Waste Registration No. 34132; Regulated Entity
No. RN100639913; Customer No. CN600127930

Dear Mr. Kwan:

The Texas Commission on Environmental Quality (TCEQ) received the above referenced Municipal Setting Designation (MSD) application on December 8, 2017 and additional information supporting this MSD application on February 7 and February 28, 2018. Based on our review, the application contains the required information as outlined in Texas Health and Safety Code (THSC) §361.804. Enclosed is the Municipal Setting Designation Certification for your site. If you have any questions, please do not hesitate to contact me at (512) 239-2205 or via e-mail (rodney.bryant@tceq.texas.gov).

Sincerely,



Rodney Bryant, Project Manager
VCP-CA Section
Remediation Division

RB/jdm

cc: Mr. Kenneth Tramm, PHD, PG, CHMM, Principal, Modern Geosciences, 5100 Thompson
Terrace, Colleyville, Texas 76034

Mr. Michael Brashear, Waste Section Manager, TCEQ Tyler Region Office, R-5

Enclosure: MSD Certificate No. 377

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



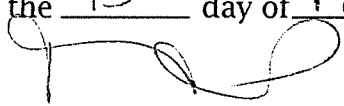
MUNICIPAL SETTING DESIGNATION CERTIFICATE

As provided for in §361.807, Subchapter W, Texas Health and Safety Code (Solid Waste Disposal Act):

I, Maria Lebron, Assistant Director, Remediation Division, TCEQ, certify the Municipal Setting Designation (MSD) for MSD No. 377, in the City of Marshall, for the tract of land described in Exhibit "A". The eligibility requirements of Texas Health and Safety Code §361.803 are satisfied as attested to by the affidavit in Exhibit "B", provided pursuant to Texas Health and Safety Code §361.804(b)(2)(D). This certificate shall continue in effect so long as the ordinance or restrictive covenant required by Texas Health and Safety Code §361.8065 remains in effect.

Any person addressing environmental impacts for a property located in the certified municipal setting designation shall complete any necessary investigation and response action requirements in accordance with Texas Health and Safety Code §361.808, in conjunction with the applicable Texas Commission on Environmental Quality environmental remediation regulation, as modified by Texas Health and Safety Code §361.808.

EXECUTED this the 13 day of MARCH, 2018



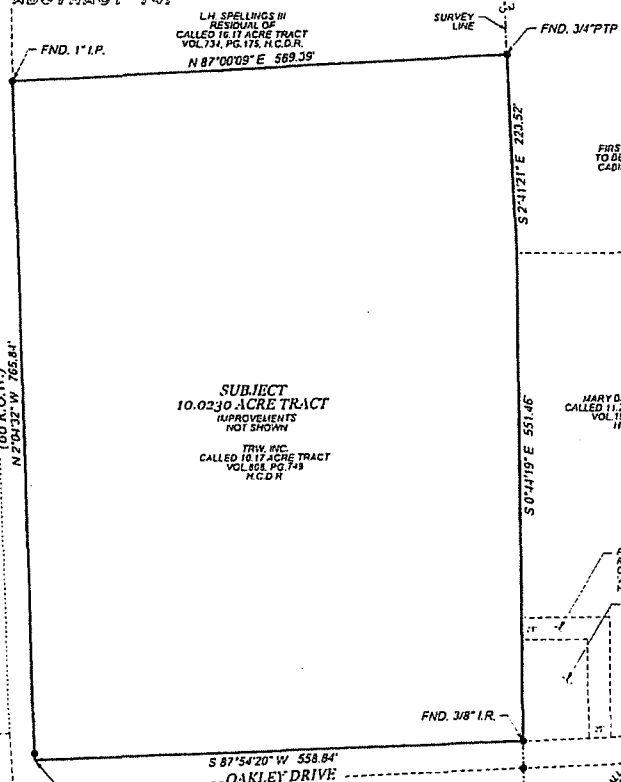
Maria Lebron, Assistant Director
Remediation Division
Texas Commission on Environmental Quality

HARRISON COUNTY TEXAS

ANDERSON WHETSTONE SURVEY ABSTRACT 747

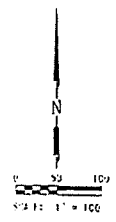
ASA LANGFORD SURVEY ABSTRACT 300

1. ALL COORDINATES AND BEARINGS ARE RELATING TO THE TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE NAD 83.
2. ALL DISTANCES ARE INDICATED UNLESS OTHERWISE NOTED.
3. THIS SURVEY DID NOT RELY ON A CURRENT TITLE COMMITMENT. THE INFORMATION CONTAINED ON THIS SURVEY WAS COMPILED FROM DATA BOTH PRIVATE AND PUBLIC. THE DATA FROM THE SECONDARY COUNTY COMPOSITE, IT DOES NOT REPRESENT A COMPLETE DEED REVISION AND THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, ENCUMBRANCES, RESTRICTIVE COVENANTS, OR OTHER TITLE MATTERS THAT IS UNKNOWN AND CURRENT TITLE SEARCH MAY DISCLOSE.
4. THIS PLAT IS PART OF A SURVEY REPORT INCLUDING A VETERAN'S SERVICE RECORD AND FILE IN THE OFFICES OF COLLE & ARCHISTEYER, INC.



L.H. SPELLINGS III
RESIDUAL OF
CALLED 16.17 ACRE TRACT
VOL. 734, PG. 173, H.C.D.R.
N 87°00'09\"/>

PLAT OF
FIRST SUPPLEMENT
TO DEL-31R ADDITION
CADNEY A. SLIDE 28
H.C.P.R.



SUBJECT
10.0230 ACRE TRACT
IMPROVEMENTS
NOT SHOWN

TRIV, INC.
CALLED 16.17 ACRE TRACT
VOL. 808, PG. 7-18
H.C.D.R.

MARY BETH BENDER
CALLED 11.216 ACRE TRACT
VOL. 1811, PG. 317
H.C.O.R.

HINGLEWOOD, INC.
CALLED 1.123 ACRE TRACT
VOL. 3918, PG. 150, O.R.I.C.
04/16/1990

HINGLEWOOD, INC.
CALLED 2.008 ACRE TRACT
VOL. 1231, PG. 150
H.C.D.R.

GARDEN OAK RD.
(FLOYD DR.)

KOSHOOROUGH STAININGS RD.
(600 R.O.W.)
N 2°04'32\"/>

F. D. MURPHY ET UX
RESIDUAL OF A
CALLED 3.41 ACRE TRACT
VOL. 234, PG. 300
H.C.O.R.

MARY BETH BROWNE
& JOSEPH D. MURPHY
VOL. 704, PG. 290
H.C.D.R.

SURVEY PLAT OF
10.0230 ACRE TRACT
BEING A PORTION OF ALL THAT CONTAIN
TRIV, INC.
CALLED 10.17 ACRE TRACT
AS RECORDED IN
VOLUME 800 PAGE 749
OF THE
HARRISON COUNTY DEED RECORDS
IN THE
ANDERSON WHETSTONE SURVEY, A-747
HARRISON COUNTY, TEXAS.

ORION ENVIRONMENTAL

I, AN PATRICK DOYLE, REGISTERED PROFESSIONAL LAND SURVEYOR, DO HEREBY CERTIFY THAT THE ABOVE SAID FOREGOING PLAT IS A TRUE REPRESENTATION OF A SURVEY MADE UNDER MY SUPERVISION ON THE GROUND, AND THAT THERE ARE NO ENCUMBRANCES AFFECTING THIS PROPERTY, EXCEPT AS SHOWN HERON.
DATE SURVEILED: SEPTEMBER 10, 2011.



An. Patrick Doyle
AN. PATRICK DOYLE
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 4467

POINT OF BEGINNING
X=3219382.58
Y=6885074.54
FND. 12\"/>

ORION ENVIRONMENTAL
DOYLE & WACHSLETTER, INC.
VOL. 847, PG. 12-25

Doyle & Wachstetter, Inc.
Surveying and Mapping GIS/IGIS
1111 W. UNIVERSITY BLVD., SUITE 100
DALLAS, TEXAS 75243
TEL: 972.382.1111 FAX: 972.382.1112
WWW.DW-SURVEYING.COM

SCALE: 1\"/>



Doyle & Wachtstetter, Inc

Surveying and Mapping • GPS/GIS

**ORION ENVIRONMENTAL 10.0230 ACRE TRACT
ANDERSON WHETSTONE, ABSTRACT 747
HARRISON COUNTY, TEXAS
PAGE 1 OF 2**

ALL THAT CERTAIN 10.0230 acre tract, lying and situated in the Anderson Whetstone Survey, Abstract 747, Harrison County, Texas, being all that certain called 10.17 acre tract conveyed by deed recorded on December 31, 1976 from L. H. Spellings, et al to TRW, Inc. as recorded in Volume 806, Page 749 of the Harrison County Deed Records (H.C.D.R.), the 10.0230 tract, hereby conveyed being more particularly described by metes and bounds, using survey terminology which refers to the Texas State Plane Coordinate System, South Central Zone (NAD83), in which the directions are Lambert grid bearings and the distances are surface level horizontal lengths (S.F.= 0.999903536) as follows:

BEGINNING at the intersection of the eastern right-of-way boundary line of 60 foot wide Rosborough Springs Road with the northern right-of-way boundary line of 30 foot wide Oakley Drive, from which a found 1/2" iron rod bears North 2°04'32" West – 7.30 feet, for the southwest corner and the **POINT OF BEGINNING** of the herein described tract, at Texas State Plane coordinate position X=3239382.58 and Y=6895074.94;

THENCE North 2°04'32" West, coincident with eastern right-of-way boundary line of said 60 foot wide Rosborough Springs Road, at a distance of 7.30 feet pass said found 1/2" iron rod, continuing for a total of 765.84 feet to 1" iron pipe found marking the northwest corner of said TRW, Inc. called 10.17 acre tract, same being the southwest corner of the residual tract of all that certain called 16.17 acre tract conveyed by deed recorded on August 28, 1973 from J. P. Graves, et ux to L. H. Spellings III, as recorded in Volume 734, Page 175 of the H.C.D.R., for the northwest corner of the herein described 10.0230 acre tract, at position X=3239354.84 and Y=6895840.20;

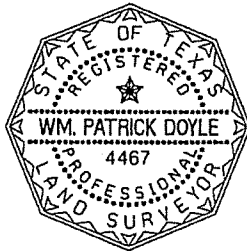
THENCE North 87°00'09" East, coincident with the northern boundary line of said TRW, Inc. called 10.17 acre tract, a distance of 569.39 feet to 3/4" pinched top pipe found marking the northeast corner of said TRW, Inc. called 10.17 acre tract, located on the western boundary line of the First Supplement to Bel-Air Addition, according to the map or plat thereof recorded in Cabinet A, Slide 28 of the Harrison County Plat Records, for the northeast corner of the herein described 10.0230 acre tract, at position X=3239923.40 and Y=6895869.97;

THENCE South 2°41'21" East, coincident with the eastern boundary line of said TRW, Inc. called 10.17 acre tract, same being the western boundary line of said First Supplement to Bel-Air Addition, a distance of 223.52 feet to the southwest corner of said First Supplement to Bel-Air Addition, same being the northwest corner of all that certain called 11.215 acre tract conveyed by deed recorded on May 13, 1999 from Johnny Murph, et al, to Mary Beth Bender, as recorded in Volume 1941, Page 312 of the Harrison County Official Records, for an angle corner of the herein described 10.0230 acre tract, at position X=3239933.89 and Y=6895646.72;

**ORION ENVIRONMENTAL 10.0230 ACRE TRACT
ANDERSON WHETSTONE, ABSTRACT 747
HARRISON COUNTY, TEXAS
PAGE 2 OF 2**

THENCE South 0°44'19" East, coincident with the eastern boundary line of said TRW, Inc. called 10.17 acre tract, same being the western boundary line of said Mary Beth Bender called 11.215 acre tract, the western boundary line of the residual of all that certain called 5.44 acre tract conveyed by deed recorded on January 10, 1939 from Arthur G. Salmon to F. D. Murph, et ux as recorded in Volume 234, Page 380 of the H.C.D.R., the western boundary line of all that certain 75' x 110' tract of land conveyed by deed recorded on January 20, 1972 from Ida May Murph to Mary Beth Brown, et al, as recorded in Volume 704, Page 219 of the H.C.O.R., a distance of 551.46 feet to a 3/8" iron rod found marking the southeast corner of said TRW, Inc. called 10.17 acre tract, the southwest corner of said Mary Beth Brown, et al 75' x 110' tract of land, located on the northern right of way boundary line of said 30 foot wide Oakley Road, for the southeast corner of said TRW, Inc. called 10.17 acre tract and the herein described 10.0230 acre tract, at position X= 3239941.00 and Y=6895095.36;

THENCE South 87°54'20" West, coincident with northern right-of-way boundary line of said 30 foot wide Oakley Road, a distance of 558.84 feet to the **POINT OF BEGINNING**, containing 10.0230 acres of land, more or less.



Wm. Patrick Doyle
Registered Professional Land Surveyor
Texas Registration Number 4467
August 16, 2016

This description is based on a survey, a plat of which, dated August 16, 2016 is on file in the office of Doyle & Wachtstetter, Inc.
V:\Pat\Orion Env\Harrison County\Orion Marshall - 10.230 acre tract.doc

Exhibit B

Municipal Setting Designation


Affidavit of Eligibility

BEFORE ME, the undersigned authority, on this day personally appeared Matthew S. Williams, as an authorized representative of Northrop Grumman Systems Corporation, known to me to be the person whose name is subscribed below who being by me first duly sworn, upon their oath, stated as follows:

I am over the age of 18 and legally competent to make this affidavit. I have personal knowledge of the facts stated herein.

I affirmatively state that (place an X in all applicable blanks)

- The MSD eligibility criteria of THSC Section 361.803 are satisfied.
- True and accurate copies of all documents demonstrating that the MSD eligibility criteria provided by THSC 361.803 have been satisfied and are included with the application.
- A true and accurate copy of a legal description of the proposed MSD property is included with the application.
- Notice has been provided in accordance with THSC 361.805.
- A copy of an ordinance or restrictive covenant and any required resolutions are provided in this application or will be provided before the executive director certifies this application.


Signature

Date: 11/30/2017

Matthew S. Williams
Printed Name

Corporate Director, Environmental, Health & Safety and Real Estate
Title

STATE OF _____

COUNTY OF _____

SUBSCRIBED AND SWORN before me on this the _____ day of _____ 20____, to which witness my hand and seal of office.

Notary Public in and for the State of _____

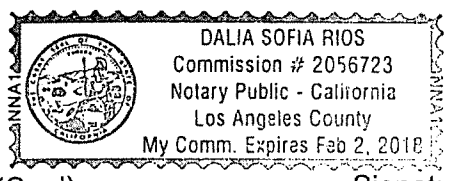
See attached certificate

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles

Subscribed and sworn to (or affirmed) before me on this 30th
day of November, 2017, by Matthew Scott Williams

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.



(Seal)

Signature Dalia P. Rios